

**Notice of Allowability**

Application No.

09/822,976

Examiner

James S. Wozniak

Applicant(s)

PENTHEROUDAKIS ET AL.

Art Unit

2655

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/15/2005.
2. ☒ The allowed claim(s) is/are 10, 16-19, and 22- 26 (now 1-10).
3. ☒ The drawings filed on 30 March 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

1. In response to the office action from 6/13/2005, the applicant has submitted an amendment, filed 7/15/2005; amending claims 10 and 16-17, while adding claims 24-25 and canceling claims 1-9 and 11-15. Due to the claim amendments, claims 10 and 16-19, and 22-25 are allowable over the prior art of record for the reasons given below.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph Kelly on 7/26/2005.

3. The application has been amended as follows:

Cancel **claims 20 and 21**.

Change "the method of claim 21" in claim 22, line 1 to --the method of claim 19--.

*Allowable Subject Matter*

4. **Claims 10, 16-19, and 22-25** are allowable over the prior art of record.

5. The following is an examiner's statement of reasons for allowance:

With respect to **Claims 10 and 24**, the prior art of record fails to explicitly teach or fairly suggest a method for proposing subsequent text segmentation when a word boundary within a token (*a group of text characters flanked by white space*) is determined to be invalid by a linguistic knowledge component comprising lexicon lookup and morphological analysis operations, wherein proposing subsequent segmentations is an iterative process which analyzes an invalid token by first checking for multiple punctuation character strings or emoticons and segmenting the invalid token based on the detected punctuation strings or emoticons, then checking for punctuation marks and segmenting the invalid token based on a precedence hierarchy of punctuation, based on the binding properties of punctuation, if punctuation marks are detected, and finally detecting alpha and numeric characters within invalid tokens and segmenting the invalid token based on alpha-numeric character boundaries if alpha and numeric characters are detected within a proposed token. After the process of further segmenting proposed tokens, the created subtokens from the steps noted above are submitted to the linguistic knowledge component comprising lexicon lookup and morphological analysis operations for validation and the aforementioned steps are repeated until a valid token is obtained if a token is once again found to be invalid.

Art Unit: 2655

Other pertinent prior art includes Chanod (*U.S. Patent: 6,269,189*), which teaches repeated text segmenting until a valid token is found (Fig. 5), however new tokens are found by adding a next text character to a proposed token. In other words, Chanod does not teach subsequent segmentation *within* a proposed token utilizing emoticons, punctuation strings, punctuation according to a precedence hierarchy, and alpha-numeric strings.

The dependent claims further limit allowable independent claims, and thus, are also allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

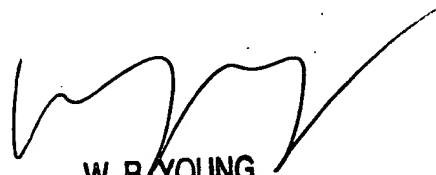
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James S. Wozniak whose telephone number is (571) 272-7632 and email is James.Wozniak@uspto.gov. The examiner can normally be reached on Mondays-Fridays, 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached at (571) 272-7582. The fax/phone number for the Technology Center 2600 where this application is assigned is (703) 872-9306.

Art Unit: 2655

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology center receptionist whose telephone number is (703) 306-0377.

James S. Wozniak  
7/26/2005



W. R. YOUNG  
PRIMARY EXAMINER